

Appendix Table 1. ICD Codes for the classification of avoidable/amenable mortality

| Cause | code | description |
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| Homicide | X85 | Assault by drugs, medicaments, and biological substances |
| | X86 | Assault by corrosive substance |
| | X87 | Assault by pesticides |
| | X88 | Assault by gases and vapors |
| | X89 | Assault by other specified chemicals and noxious substances |
| | X90 | Assault by unspecified chemical or noxious substance |
| | X91 | Assault by hanging, strangulation, and suffocation |
| | X92 | Assault by drowning and submersion |
| | X93 | Assault by handgun discharge |
| | X94 | Assault by rifle, shotgun, and larger firearm discharge |
| | X95 | Assault by other and unspecified firearm discharge |
| | X96 | Assault by explosive material |
| | X97 | Assault by smoke, fire, and flames |
| | X98 | Assault by steam, hot vapors, and hot objects |
| | X99 | Assault by sharp object |
| | Y00 | Assault by blunt object |
| | Y01 | Assault by pushing from high place |
| | Y02 | Assault by pushing or placing victim before moving object |
| | Y03 | Assault by crashing of motor vehicle |
| | Y04 | Assault by bodily force |
| Y05 | Sexual assault by bodily force | |
| Y06 | Neglect and abandonment | |
| Y07 | Other maltreatment syndromes | |
| Y08 | Assault by other specified means | |
| Y09 | Assault by unspecified means | |

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| Suicide and self-inflicted injuries | X60 | Intentional self-poisoning by and exposure to nonopioid analgesics, antipyretics, and antirheumatics |
| | X61 | Intentional self-poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism, and psychotropic drugs, not elsewhere classified |
| | X62 | Intentional self-poisoning by and exposure to narcotic and psychodysleptics [hallucinogens], not elsewhere classified |
| | X63 | Intentional self-poisoning by and exposure to other drugs acting on the autonomic nervous system |
| | X64 | Intentional self-poisoning by and exposure to other unspecified drugs, medicaments, and biological substances |
| | X65 | Intentional self-poisoning by and exposure to alcohol |
| | X66 | Intentional self-poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapors |
| | X67 | Intentional self-poisoning by and exposure to other gases and vapors |
| | X68 | Intentional self-poisoning by and exposure to pesticides |
| | X69 | Intentional self-poisoning by and exposure to other unspecified chemicals and noxious substances |
| | X70 | Intentional self-harm by hanging, strangulation, and suffocation |
| | X71 | Intentional self-harm by drowning and submersion |
| | X72 | Intentional self-harm by handgun discharge |
| | X73 | Intentional self-harm by rifle, shotgun, and larger firearm discharge |
| | X74 | Intentional self-harm by other and unspecified firearm discharge |
| | X75 | Intentional self-harm by explosive material |
| X76 | Intentional self-harm by smoke, fire, and flames | |

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| | X77 | Intentional self harm by steam, hot vapors, and hot objects |
| | X78 | Intentional self harm by sharp object |
| | X79 | Intentional self harm by blunt object |
| | X80 | Intentional self harm by jumping from a high place |
| | X81 | Intentional self harm by jumping or lying before moving object |
| | X82 | Intentional self harm by crashing of motor vehicle |
| | X83 | Intentional self harm by other specified means |
| | X84 | Intentional self harm by unspecified means |
| HIV/AIDS | B20 | Human immunodeficiency virus [HIV] disease resulting in infectious and parasitic diseases |
| | B21 | Human immunodeficiency virus [HIV] disease resulting in malignant neoplasms |
| | B22 | Human immunodeficiency virus [HIV] disease resulting in other specified diseases |
| | B23 | Human immunodeficiency virus [HIV] disease resulting in other conditions |
| | B24 | Unspecified human immunodeficiency virus [HIV] disease |
| Ischemic heart diseases | I20 | Angina pectoris |
| | I21 | Acute myocardial infarction |
| | I22 | Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction |
| | I23 | Certain current complications following ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction |
| | I24 | Other acute ischemic heart diseases |
| | I25 | Chronic ischemic heart disease |
| Lung cancer | C34 | Malignant neoplasm of bronchus and lung |
| Diabetes | E10 | Insulin-dependent diabetes mellitus |
| | E11 | Noninsulin-dependent diabetes mellitus |

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|--------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------|
| | E12 | Malnutrition-related diabetes mellitus |
| | E13 | Other specified diabetes mellitus |
| | E14 | Unspecified diabetes mellitus |
| Road traffic accidents | V00- V09 | Pedestrian injured in transport accident |
| | V10- V19 | Pedal cycle rider injured in transport accident |
| | V20- V29 | Motorcycle rider injured in transport accident |
| | V30- V39 | Occupant of three-wheeled motor vehicle injured in transport accident |
| | V40- V49 | Car occupant injured in transport accident |
| | V50- V59 | Occupant of pick-up truck or van injured in transport accident |
| | V60- V69 | Occupant of heavy transport vehicle injured in transport accident |
| | V70- V79 | Bus occupant injured in transport accident |
| | V80- V89 | Other land transport accidents |
| | Alcoholic liver disease | K70 |
| Avoidable causes of deaths due to interventions of the Brazilian Health System | | See Malta et al (2007) and Malta et al. (2010) |